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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO. CONFIRMATION NO.		
10/809,268	03/25/2004	Takashi Ono	81707.0193 6921		
26021 7590 10/17/2007 HOGAN & HARTSON L.L.P. 1999 AVENUE OF THE STARS			EXAMINER		
			WILLS, MONIQUE M		
SUITE 1400 LOS ANGELES, CA 90067			ART UNIT	PAPER NUMBER	
	,		1795		
			MAIL DATE	DELIVERY MODE	
			10/17/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No) .	Applicant(s)				
Office Action Summary		10/809,268		ONO ET AL.				
		Examiner		Art Unit				
		Monique M. Wi	lls	1795				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address								
Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS,								
WHIC - Exte after - If NC - Failu Any	CHEVER IS LONGER, FROM THE MAILING DA nsions of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. Operiod for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing end patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS C 36(a). In no event, ho will apply and will expire, cause the application	COMMUNICATION wever, may a reply be time six (6) MONTHS from to become ABANDONED	the mailing date of this communication. D (35 U.S.C. § 133).				
Status	•							
· <u> </u>	Responsive to communication(s) filed on <u>27 July 2007</u> .							
•	This action is FINAL. 2b)⊠ This action is non-final.							
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.								
Disposition of Claims								
4) 🖂	4)⊠ Claim(s) <u>1-15 and 20-27</u> is/are pending in the application.							
4a) Of the above claim(s) is/are withdrawn from consideration.								
· —	5) Claim(s) is/are allowed.							
· · · · · · · · · · · · · · · · · · ·	6)⊠ Claim(s) <u>1-15 and 20-27</u> is/are rejected. 7)□ Claim(s) is/are objected to.							
·		r election requir	rement					
8) Claim(s) are subject to restriction and/or election requirement.								
Application Papers								
• ===	The specification is objected to by the Examine		·					
10)⊠ The drawing(s) filed on 25 March 2004 is/are: a)⊠ accepted or b) objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority u	ınder 35 U.S.C. § 119			,				
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a)⊠ All b)□ Some * c)□ None of:								
1. Certified copies of the priority documents have been received.								
2. Certified copies of the priority documents have been received in Application No								
3. Copies of the certified copies of the priority documents have been received in this National Stage								
application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.								
	see the attached detailed Office action for a list of	of the certified (copies not received	u.				
Attachmen	t(s)							
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date								
3) 🔀 Infor	te of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08) or No(s)/Mail Date 6/30/04.	5) [6) [a					

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DETAILED ACTION

Election/Restrictions

Claims 16-19 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected electricity generating unit, there being no allowable generic or linking claim. Election was made without traverse in the reply filed on July 27, 2007.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-15 & 20-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Japanese Patent Application Laid-Open No. 2000-149976.

JP No. '976 teaches the fuel cell power system has a fuel cell assembly of the type having an electricity generation/combustion chamber defined within a housing, and electricity generation/combustion means, including a cell stack,

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disposed within the electricity generation/combustion chamber. An oxygen-containing gas supply passage for supplying an oxygen-containing gap, a fuel gas supply passage for supplying a fuel gas, and a combustion gas discharge passage for discharging a combustion gas from the electricity generation/combustion chamber are annexed to the electricity generation/combustion chamber. Heat exchange means is also disposed in the fuel cell assembly. The oxygen-containing gas supply passage and the combustion gas discharge passage both extend through the heat exchange means. When the oxygen-containing gas and the combustion gas are flowed through the heat exchange means, heat exchange is carried out between these gases, whereby the oxygen-containing gas is preheated. The fuel gas in obtained by reforming a gas to be reformed (hereinafter referred to as an unreformed gas), such as city gas, into a hydrogen-rich gas. Reforming of the unreformed gas is advantageously performed by flowing the unreformed gas through a reforming case containing a required catalyst.

The reference does not expressly disclose that the combustion gas is dischared from an interior of the combustion chamber throught the chanel of the heat exchanger.

However, it would have been obvious to one of ordinary skill in the art at the time the instant invention was made to employ the combustion chamger such

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that the combustion gas is discharged from an interior of the combustion chamber through the channel of the heat exchanger in order to compact the fuel cell system such that the fuel cell may power smaller electrical devices.

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Conclusion

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Monique Wills whose telephone number is (571) 272–1309. The Examiner can normally be reached on Monday-Friday from 8:30am to 5:00 pm.

If attempts to reach Examiner by telephone are unsuccessful, the Examiner's supervisor, Patrick Ryan, may be reached at 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

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Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov.Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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10/12/07

STEPHEN KALAFUT PRIMARY EXAMINER GROUP 00